

WHAT IS CLAIMED IS:

1. An expression vector comprising the following operably linked elements:
 - (a) a transcription promoter;
 - 5 (b) a DNA segment encoding a polypeptide that is at least 90% identical in amino acid sequence to residues 25 to 176 of SEQ ID NO:2; and
 - (c) a transcription terminator.
2. The expression vector according to claim 1, further comprising a secretory signal
10 sequence operably linked to the DNA segment.
3. The expression vector according to claim 1, wherein the polypeptide comprises an affinity tag or an immunoglobulin constant region.
- 15 4. An expression vector comprising the following operably linked elements:
 - (a) a transcription promoter;
 - (b) a DNA segment encoding a polypeptide comprising amino acid residues 25 to
176 of SEQ ID NO:2; and
 - (c) a transcription terminator.
- 20 5. The expression vector according to claim 4, further comprising a secretory signal sequence operably linked to the DNA segment.
6. The expression vector according to claim 4, wherein the polypeptide comprises an
25 affinity tag or an immunoglobulin constant region.
7. An expression vector comprising the following operably linked elements:
 - (a) a transcription promoter;
 - (b) a DNA segment encoding a polypeptide comprising SEQ ID NO:2; and
 - 30 (c) a transcription terminator.
8. The expression vector according to claim 7, further comprising a secretory signal sequence operably linked to the DNA segment.
- 35 9. The expression vector according to claim 7, wherein the polypeptide comprises an affinity tag or an immunoglobulin constant region.

10. An expression vector comprising the following operably linked elements:
 - (a) a transcription promoter;
 - (b) a DNA segment encoding a polypeptide comprising amino acid residues 25 to 151 of SEQ ID NO:4; and
 - (c) a transcription terminator.
11. The expression vector according to claim 10, further comprising a secretory signal sequence operably linked to the DNA segment.
12. The expression vector according to claim 10, wherein the polypeptide comprises an affinity tag or an immunoglobulin constant region.
13. An expression vector comprising the following operably linked elements:
 - (a) a transcription promoter;
 - (b) a DNA segment encoding a polypeptide comprising SEQ ID NO:4; and
 - (c) a transcription terminator.
14. The expression vector according to claim 13, further comprising a secretory signal sequence operably linked to the DNA segment.
15. The expression vector according to claim 13, wherein the polypeptide comprises an affinity tag or an immunoglobulin constant region.
16. An expression vector comprising the following operably linked elements:
 - (a) a transcription promoter;
 - (b) a DNA segment encoding a polypeptide comprising SEQ ID NO:13; and
 - (c) a transcription terminator.
17. The expression vector according to claim 16, further comprising a secretory signal sequence operably linked to the DNA segment.
18. The expression vector according to claim 18, wherein the polypeptide comprises an affinity tag or an immunoglobulin constant region.
19. An expression vector comprising the following operably linked elements:

- (a) a transcription promoter;
- (b) a DNA segment encoding a polypeptide comprising SEQ ID NO:26; and
- (c) a transcription terminator.

- 5 20. The expression vector according to claim 19, further comprising a secretory signal sequence operably linked to the DNA segment.
21. The expression vector according to claim 19, wherein the polypeptide comprises an affinity tag or an immunoglobulin constant region.
- 10 22. An expression vector comprising the following operably linked elements:
(a) a transcription promoter;
(b) a DNA segment encoding a polypeptide comprising SEQ ID NO:19; and
(c) a transcription terminator.
- 15 23. The expression vector according to claim 22, further comprising a secretory signal sequence operably linked to the DNA segment.
- 20 24. The expression vector according to claim 22, wherein the polypeptide comprises an affinity tag or an immunoglobulin constant region.
- 25 25. An expression vector comprising the following operably linked elements:
(a) a transcription promoter;
(b) a DNA segment encoding a polypeptide comprising SEQ ID NO:25; and
(c) a transcription terminator.
26. The expression vector according to claim 26, further comprising a secretory signal sequence operably linked to the DNA segment.
- 30 27. The expression vector according to claim 26, wherein the polypeptide comprises an affinity tag or an immunoglobulin constant region.
- 35 28. An expression vector comprising the following operably linked elements:
(a) a transcription promoter;
(b) a DNA segment encoding a polypeptide comprising amino acid residues 25 to 154 of SEQ ID NO:34; and

(c) a transcription terminator.

29. The expression vector according to claim 28, further comprising a secretory signal sequence operably linked to the DNA segment.

30. The expression vector according to claim 28, wherein the polypeptide comprises an affinity tag or an immunoglobulin constant region.

31. The expression vector according to claim 28, wherein the polypeptide comprises SEQ ID NO:34.

32. A cultured cell into which has been introduced the expression vector according to claim 1, wherein said cell expresses the polypeptide encoded by the DNA segment.

33. A cultured cell into which has been introduced the expression vector according to claim 4, wherein said cell expresses the polypeptide encoded by the DNA segment.

34. A cultured cell into which has been introduced the expression vector according to claim 7, wherein said cell expresses the polypeptide encoded by the DNA segment.

35. A cultured cell into which has been introduced the expression vector according to claim 13, wherein said cell expresses the polypeptide encoded by the DNA segment.

36. A cultured cell into which has been introduced the expression vector according to claim 16, wherein said cell expresses the polypeptide encoded by the DNA segment.

37. A cultured cell into which has been introduced the expression vector according to claim 19, wherein said cell expresses the polypeptide encoded by the DNA segment.

38. A cultured cell into which has been introduced the expression vector according to claim 22, wherein said cell expresses the polypeptide encoded by the DNA segment.

39. A cultured cell into which has been introduced the expression vector according to claim 25, wherein said cell expresses the polypeptide encoded by the DNA segment.

40. A cultured cell into which has been introduced the expression vector according to claim 28, wherein said cell expresses the polypeptide encoded by the DNA segment.
- 5 41. A method of producing a polypeptide comprising: culturing a cell into which has been introduced the expression vector according to claim 32, whereby the cell expresses the polypeptide encoded by the DNA segment; and isolating the polypeptide produced by the cell.
- 10 42. A method of producing a polypeptide comprising: culturing a cell into which has been introduced the expression vector according to claim 33, whereby the cell expresses the polypeptide encoded by the DNA segment; and isolating the polypeptide produced by the cell.
- 15 43. A method of producing a polypeptide comprising: culturing a cell into which has been introduced the expression vector according to claim 34, whereby the cell expresses the polypeptide encoded by the DNA segment; and isolating the polypeptide produced by the cell.
- 20 44. A method of producing a polypeptide comprising: culturing a cell into which has been introduced the expression vector according to claim 35, whereby the cell expresses the polypeptide encoded by the DNA segment; and isolating the polypeptide produced by the cell.
- 25 45. A method of producing a polypeptide comprising: culturing a cell into which has been introduced the expression vector according to claim 36, whereby the cell expresses the polypeptide encoded by the DNA segment; and isolating the polypeptide produced by the cell.
- 30 46. A method of producing a polypeptide comprising: culturing a cell into which has been introduced the expression vector according to claim 37, whereby the cell expresses the polypeptide encoded by the DNA segment; and isolating the polypeptide produced by the cell.
- 35 47. A method of producing a polypeptide comprising: culturing a cell into which has been introduced the expression vector according to claim 38, whereby the cell expresses the

polypeptide encoded by the DNA segment; and isolating the polypeptide produced by the cell.

5 48. A method of producing a polypeptide comprising: culturing a cell into which has been introduced the expression vector according to claim 39, whereby the cell expresses the polypeptide encoded by the DNA segment; and isolating the polypeptide produced by the cell.

10 49. A method of producing a polypeptide comprising: culturing a cell into which has been introduced the expression vector according to claim 40, whereby the cell expresses the polypeptide encoded by the DNA segment; and isolating the polypeptide produced by the cell.